

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S101	58	((vespel or polyimide\$4) with (halogen near2 free))	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/16 13:49
S100	13	((polyolefin\$4 or phenol\$4 or xylene\$4 or "polyphenylene sulfide" or polyetheretherketone or polyimide\$4 or pps or peek) near6 polyamide) with (halogen near2 free))	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/16 13:36
S99	149	S95 not (S96 or S98)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/16 13:10
S98	11	S95 and halogen	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/16 13:08
S97	158	S95 not S96	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/16 13:08
S96	10	S95 and ammonia\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/16 13:05
S95	168	S93 or S94	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/16 13:05
S94	116	"137"/\$.ccls. and ((polyolefin\$4 or phenol\$4 or xylene\$4 or "polyphenylene sulfide" or polyetheretherketone or polyimide\$4 or pps or peek) near5 (polyamide\$4))	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/16 13:05
S93	80	"251"/\$.ccls. and ((polyolefin\$4 or phenol\$4 or xylene\$4 or "polyphenylene sulfide" or polyetheretherketone or polyimide\$4 or pps or peek) near5 (polyamide\$4))	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/16 13:04
S92	68	"251"/\$.ccls. and ((polyolefin\$4 or phenol\$4 or xylene\$4 or "polyphenylene sulfide" or polyetheretherketone or polyimide\$4 or pps or peek) near3 (polyamide\$4))	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/16 13:02
S91	4686	ammonia\$4 and gas and ((polyolefin\$4 or phenol\$4 or xylene\$4 or "polyphenylene sulfide" or polyetheretherketone or polyimide\$4 or pps or peek) near3 (polyamide\$4))	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/16 13:02

## EAST Search History

S90	4058	valv\$4 and gas and ((polyolefin\$4 or phenol\$4 or xylene\$4 or "polyphenylene sulfide" or polyetheretherketone or polyimide\$4 or pps or peek) near3 (polyamide\$4))	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/16 13:01
S89	10368	valv\$4 and ((polyolefin\$4 or phenol\$4 or xylene\$4 or "polyphenylene sulfide" or polyetheretherketone or polyimide\$4 or pps or peek) with (polyamide\$4))	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/16 13:00
S88	4	((("5474104") or ("5149105") or ("3438391"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/16 12:54
S87	16	S85 or S86	US-PGPUB; USPAT	OR	OFF	2009/02/16 12:50
S86	14	(US-20070018018-\$ or US-20040118455-\$).did. or (US-6508453-\$ or US-6031235-\$ or US-6007049-\$ or US-4887631-\$ or US-5474104-\$ or US-4303223-\$ or US-6833174-\$ or US-6119455-\$).did. or (US-3438391-\$ or US-2953345-\$ or US-2853097-\$ or US-2295774-\$).did.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/16 12:50
S85	13	("2295774" "2853097" "2953345" "20040045605" "20040118455" "3438391" "4303223" "4887631" "5474104" "6007049" "6031235" "6508453" "6642288").PN.	US-PGPUB; USPAT	OR	OFF	2009/02/16 12:49
S84	12	S82 and (polyolefin\$4 or phenol\$4 or xylene\$4 or "polyphenylene sulfide" or polyetheretherketone or polyimide\$4 or pps or peek)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/15 17:41
S83	18	S82 and ammonia	US-PGPUB; USPAT	OR	ON	2009/01/15 17:38
S82	223	("251"/\$.ccls. or "137"/\$.ccls.) and ("flow controller" and "pressure regulator" and filter and valve)	US-PGPUB; USPAT	OR	ON	2009/01/15 17:38
S81	8	("4772513"   "5241131"   "5755428").PN. OR ("6508453").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/15 17:25
S80	1	S78 and (abutting or sealing)	US-PGPUB; USPAT	OR	OFF	2009/01/15 17:18
S78	1	("20070018018").PN.	US-PGPUB; USPAT	OR	OFF	2009/01/15 17:17
S77	1	("5149105").PN.	US-PGPUB; USPAT	OR	OFF	2009/01/15 17:13

## EAST Search History

S76	6	"5149105"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/15 17:13
S75	19	valv\$4 and ((polyolefin\$4 or phenol\$4 or xylene\$4 or "polyphenylene sulfide" or polyetheretherketone or polyimide\$4 or pps or peek) with (halogen near2 free))	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/09 11:21
S74	57	ammonia and ((polyolefin\$4 or phenol\$4 or xylene\$4 or "polyphenylene sulfide" or polyetheretherketone or polyimide\$4 or pps or peek) with (halogen near2 free))	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/09 11:20
S73	2	ammonia and valv\$4 and ((polyolefin\$4 or phenol\$4 or xylene\$4 or "polyphenylene sulfide" or polyetheretherketone or polyimide\$4 or pps or peek) with (halogen near2 free))	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/09 11:19
S72	4	("137"/\$.ccls. or "251"/\$.ccls.) and ammonia and ((polyolefin\$4 or phenol\$4 or xylene\$4 or "polyphenylene sulfide" or polyetheretherketone or polyimide\$4 or pps or peek) with halogen\$5)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/09 11:16
S71	0	"251".ccls. and ammonia and ((polyolefin\$4 or phenol\$4 or xylene\$4 or "polyphenylene sulfide" or polyetheretherketone or polyimide\$4 or pps or peek) with halogen\$5)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/09 11:15
S70	890	ammonia and valv\$4 and ((polyolefin\$4 or phenol\$4 or xylene\$4 or "polyphenylene sulfide" or polyetheretherketone or polyimide\$4 or pps or peek) with halogen\$5)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/09 11:14
S69	11170	ammonia and ((polyolefin\$4 or phenol\$4 or xylene\$4 or "polyphenylene sulfide" or polyetheretherketone or polyimide\$4 or pps or peek) with halogen\$5)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/09 11:14
S68	3313	valve\$4 and ((polyolefin\$4 or phenol\$4 or xylene\$4 or "polyphenylene sulfide" or polyetheretherketone or polyimide\$4 or pps or peek) with halogen\$5)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/09 11:14
S67	3	S66 and halogen\$5	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/09 11:13

## EAST Search History

S66	8	S64 and (polyolefin\$4 or phenol\$4 or xylene\$4 or "polyphenylene sulfide" or polyetheretherketone or polyimide\$4 or pps or peek)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/09 11:12
S65	2	S64 and polyolefin\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/09 11:05
S64	14	(US-20070018018-\$ or US-20040118455-\$).did. or (US-6508453-\$ or US-6031235-\$ or US-6007049-\$ or US-4887631-\$ or US-5474104-\$ or US-4303223-\$ or US-6833174-\$ or US-6119455-\$).did. or (US-3438391-\$ or US-2953345-\$ or US-2853097-\$ or US-2295774-\$).did.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/09 11:05
S63	9	ammonia\$4 and ((halogen near2 free) with polyimide)	US-PGPUB; USPAT	OR	OFF	2009/01/09 11:03
S62	160	S30 or S32 or S33 or S34 or S35 or S36 or S37 or S45 or S46	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/09 11:02
S61	7	ammonia\$4 and ((halogen near2 free) with polyamide)	US-PGPUB; USPAT	OR	OFF	2009/01/09 10:59
S60	1170	ammonia\$4 and ((halogen near2 free))	US-PGPUB; USPAT	OR	OFF	2009/01/09 10:58
S59	3	ammonia\$4 and ((halogen near2 free) with polyamide)	USPAT	OR	OFF	2009/01/09 10:57
S58	12	(US-20070018018-\$ or US-20040118455-\$).did. or (US-6508453-\$ or US-6031235-\$ or US-6007049-\$ or US-4887631-\$ or US-5474104-\$ or US-4303223-\$).did. or (US-3438391-\$ or US-2953345-\$ or US-2853097-\$ or US-2295774-\$).did.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/09 10:56
S57	6	S55 and (rockwell or hard or hardness)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/09 10:56
S56	3	S55 and filter\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/09 10:56
S55	10	(US-20070018018-\$ or US-20040118455-\$).did. or (US-6508453-\$ or US-6031235-\$ or US-6007049-\$ or US-4887631-\$ or US-5474104-\$ or US-4303223-\$).did. or (US-3438391-\$ or US-2953345-\$).did.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/09 10:56
S54	9	S29 and (ammonia\$4 near2 gas)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/09 10:56

## EAST Search History

S53	6	S52 and S44	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/09 10:56
S52	28	S29 and ammonia\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/09 10:55
S51	1010	(137/375).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/01/09 10:55
S50	293	(251/318).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/01/09 10:55
S49	1768	(251/368).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/01/09 10:55
S48	4	S47 not S44	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/09 10:55
S47	15	(S45 or S46) and (steel or cobalt or nickel or "silicon carbide" or alumina or "aluminum nitride")	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/09 10:55
S46	22	S29 and peek	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/09 10:55
S45	16	S29 and pps	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/09 10:55
S44	97	S38 and (steel or cobalt or nickel or "silicon carbide" or alumina or "aluminum nitride")	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/09 10:55
S43	3	valv\$4 and ((halogen near2 free) with polyamide)	USPAT	OR	OFF	2009/01/09 10:54
S42	0	("2007/0018018").URPN.	USPAT	OR	OFF	2009/01/09 10:54
S41	3	((("5,149,105") or ("5,237,001") or ("2,951,721"))).PN.	US-PGPUB; USPAT	OR	OFF	2009/01/09 10:54
S40	3	((YASUHIRO) near2 (KOSUGE)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/09 10:54
S39	7	((HIROYASU) near2 (TAGUCHI)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/09 10:54
S38	186	S30 or S31 or S32 or S33 or S34 or S35 or S36 or S37	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/09 10:53
S37	20	S29 and terephthalate\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/09 10:53

## EAST Search History

S36	44	S29 and polyimide\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/09 10:53
S35	25	S29 and polyether\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/09 10:53
S34	25	S29 and polyphenylene\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/09 10:53
S33	7	S29 and xylene\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/09 10:53
S32	60	S29 and phenol\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/09 10:53
S31	74	S29 and polyamide\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/09 10:53
S30	19	S29 and polyolefin\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/09 10:53
S29	2744	(251/368).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/09 10:53